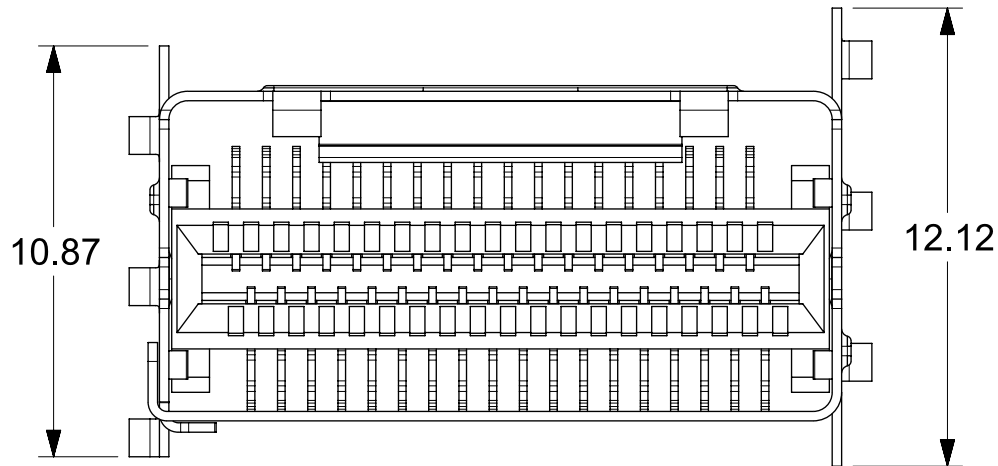
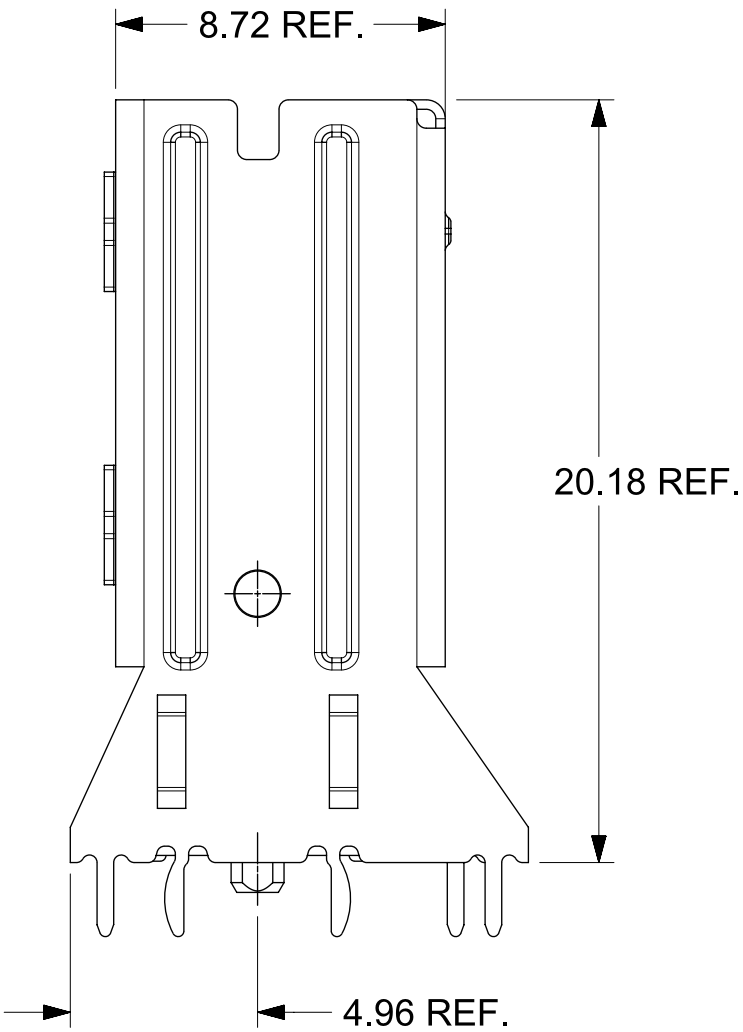
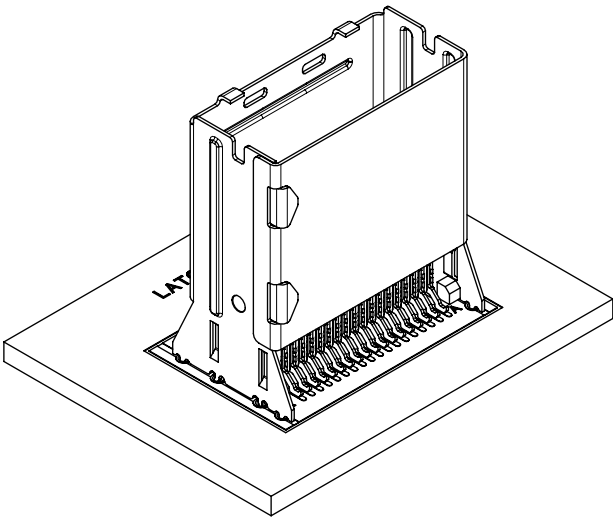
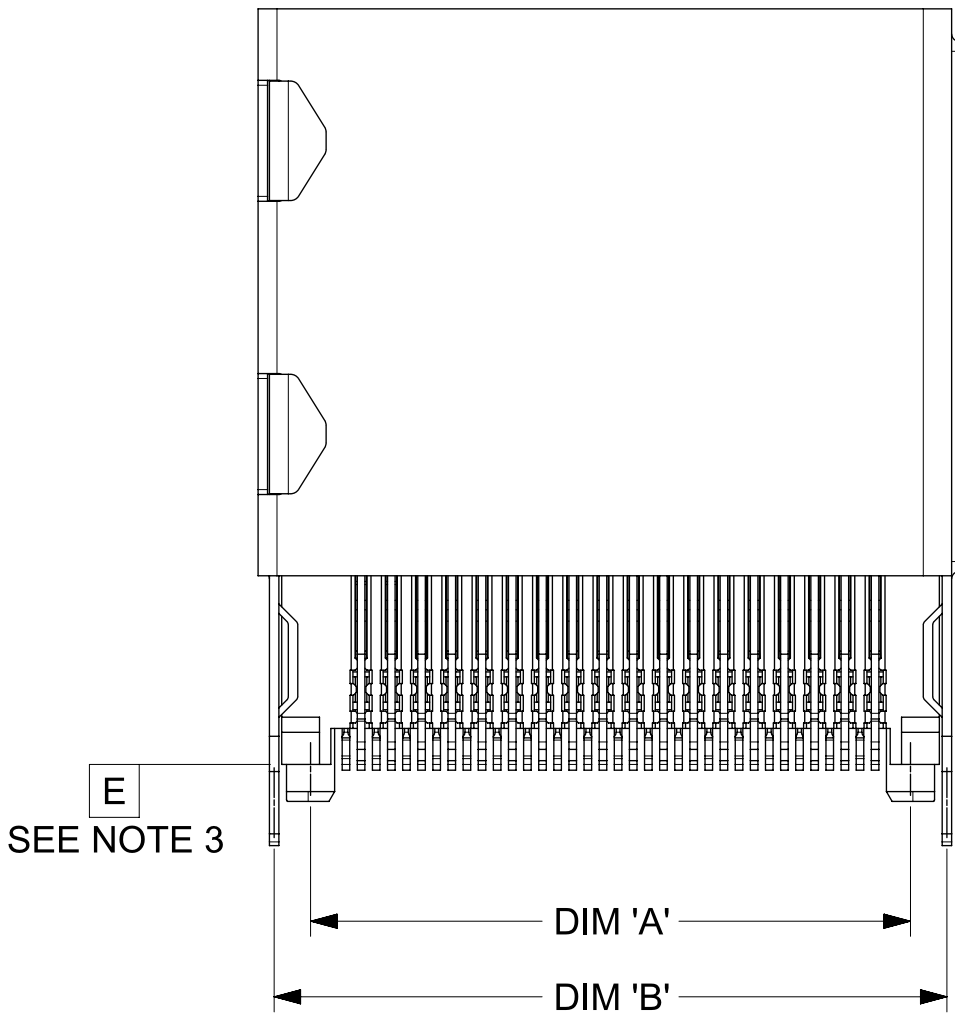
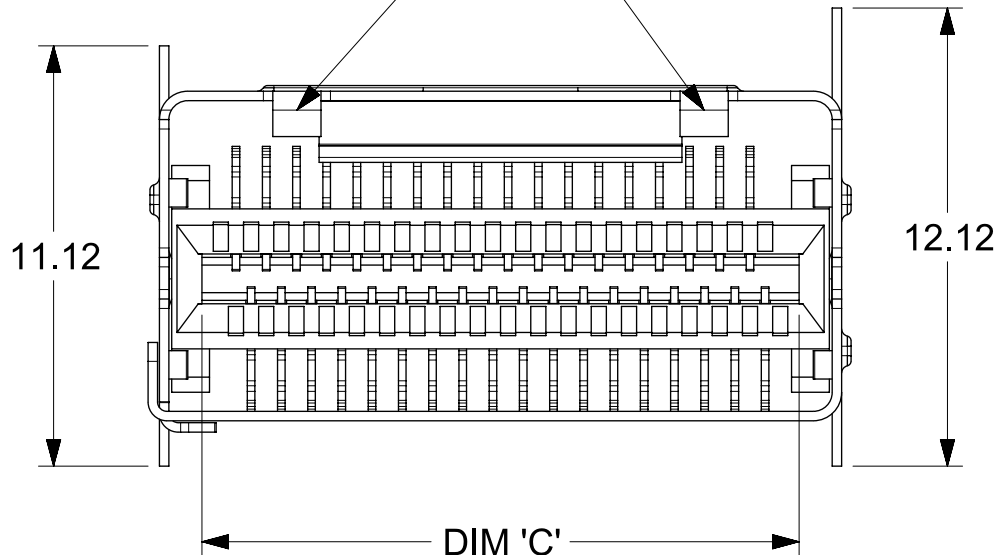


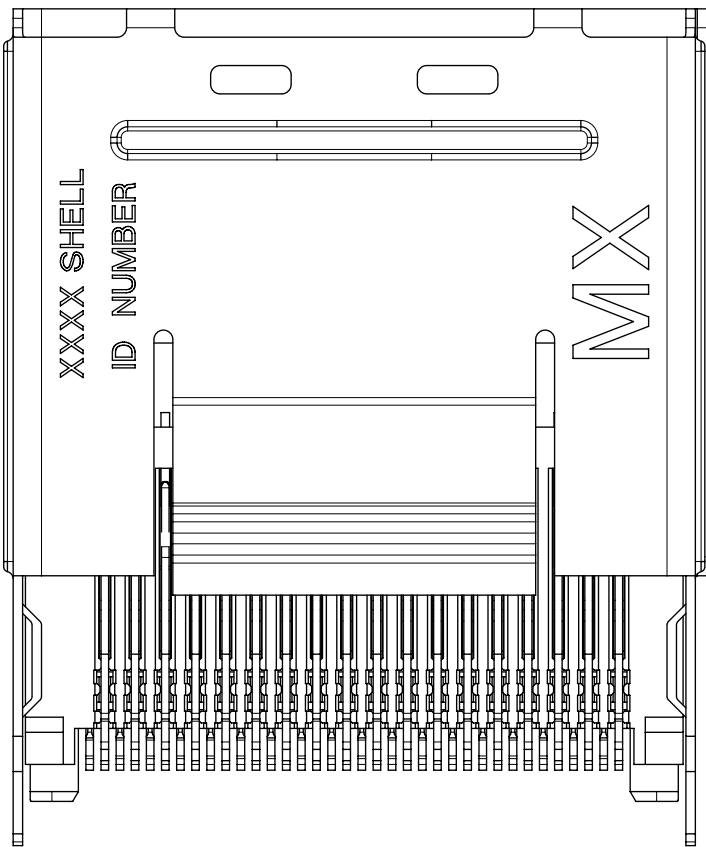


SMT

KEY LOCATIONS



36 CIRCUIT
RETENTION FIT
SHELL OPTION SHOWN



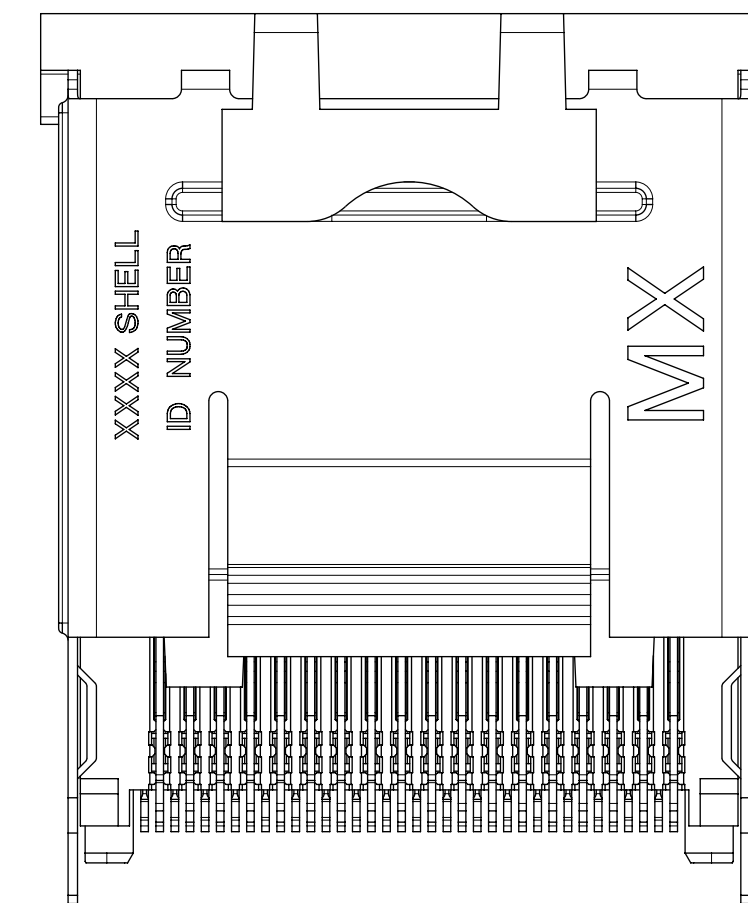
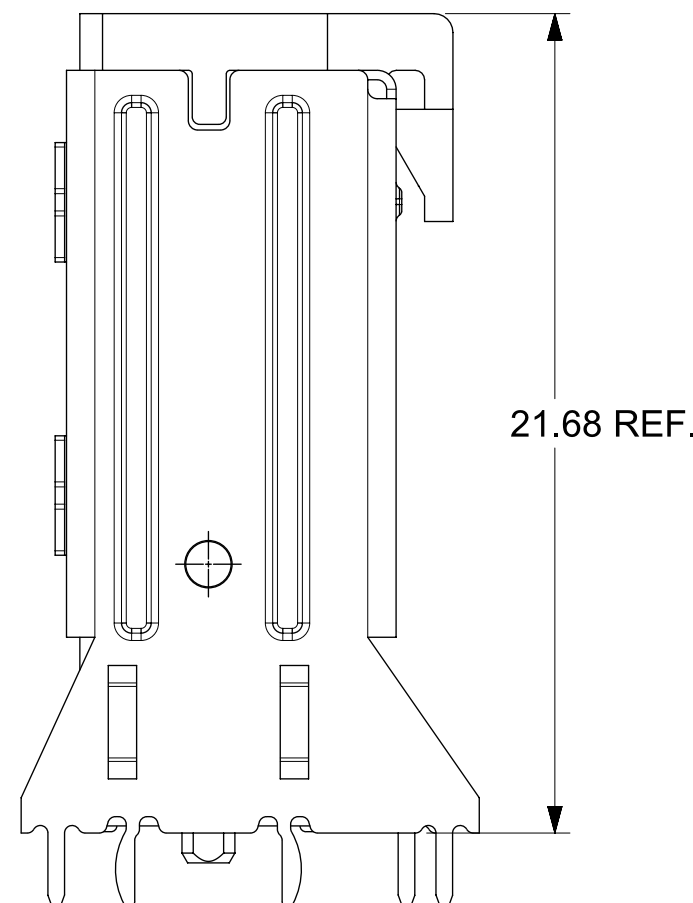
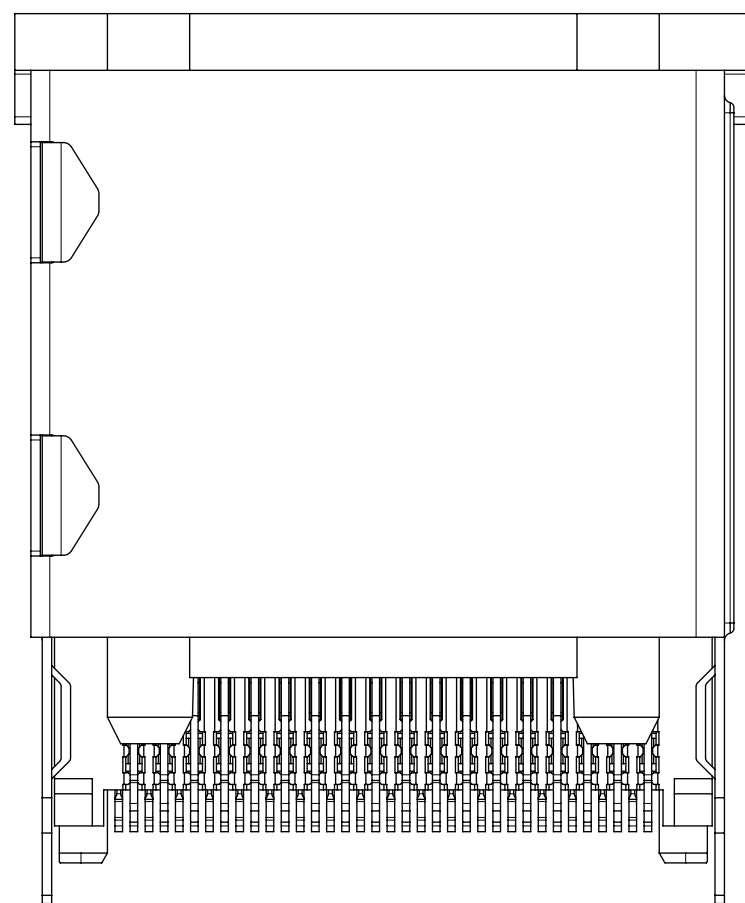
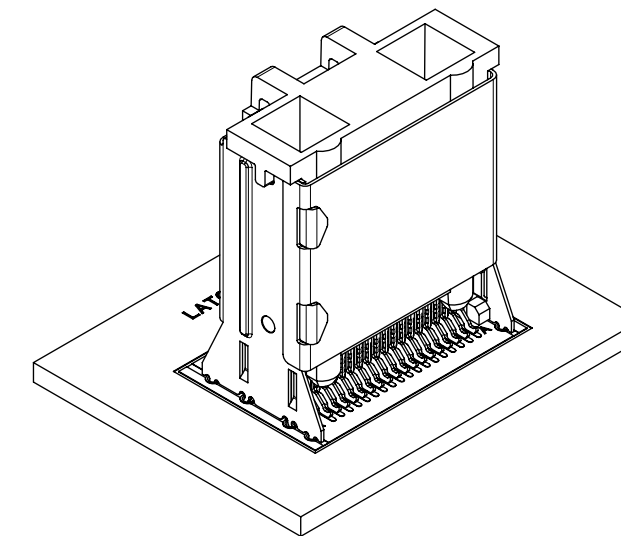
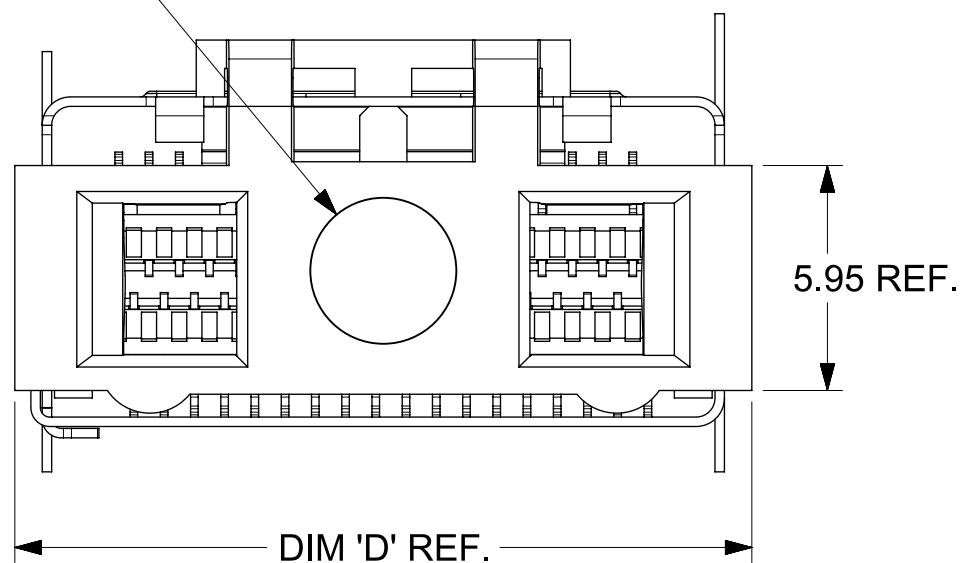
- NOTES:
- MATERIAL:
CONNECTOR:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
SHELL
NICKEL SILVER, C770, THICKNESS: 0.250/0.254
 - FINISH:
CONNECTOR
OPTION 1
CONTACT AREA - 0.38µm MIN GOLD OVER 2.54 µm NICKEL
SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
OPTION 2
CONTACT AREA - 0.76µm MIN GOLD OVER 2.54 µm NICKEL
SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
 - TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM DATUM E
 - DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) ON CONNECTOR ONLY
 - CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1
 - TO BE USED WITH THE FOLLOWING CABLE SERIES:
79575/74563/79576/74573/79536/74562/74569/74586
 - PACKAGED PER PACKAGING SPECIFICATION: PK-75783-001
 - CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001
 - PROCESS PER APPLICATION SPECIFICATION: AS-75783-001
 - THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC SPEC PS-45499-002

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex							
mm		5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
								ANGULAR TOL ± 0.5°				PRODUCT SALES DRAWING			
4 PLACES		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION					
3 PLACES		±				SD-75784-001		PSD		001		D9			
2 PLACES		± 0.130													
1 PLACE		± 0.25													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		75784		SEE TABLE		GENERAL MARKET		1 OF 12	

[illegible]

PICK & PLACE
NOZZLE AREA

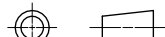


36 CIRCUIT RETENTION FIT SHOWN

NOTES:

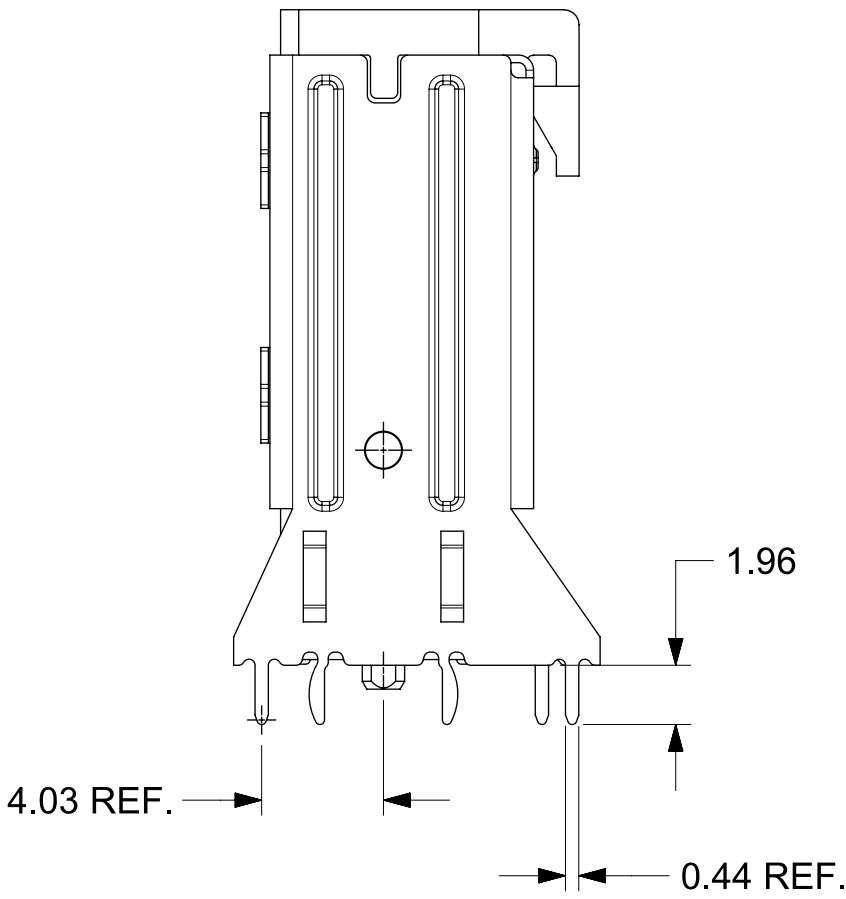
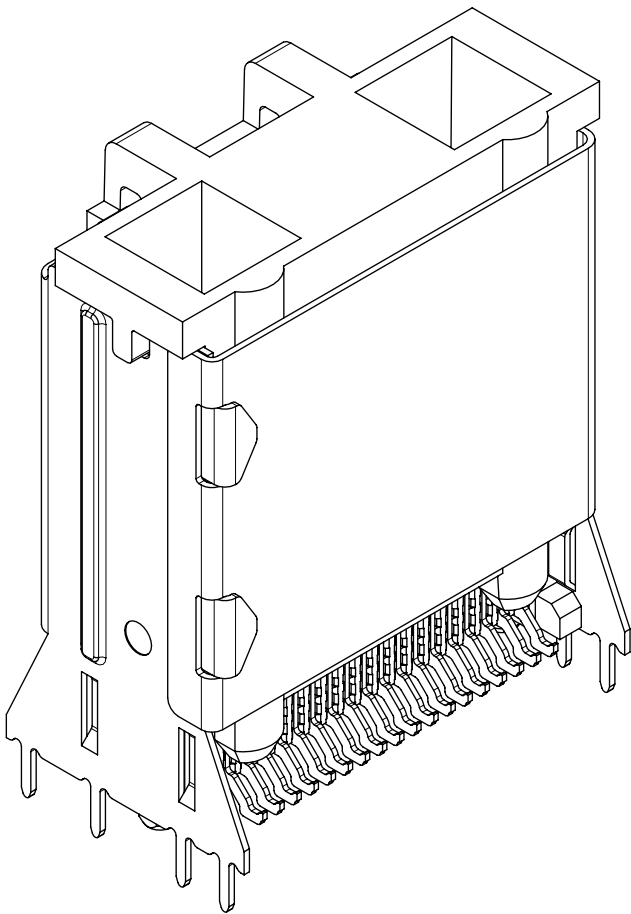
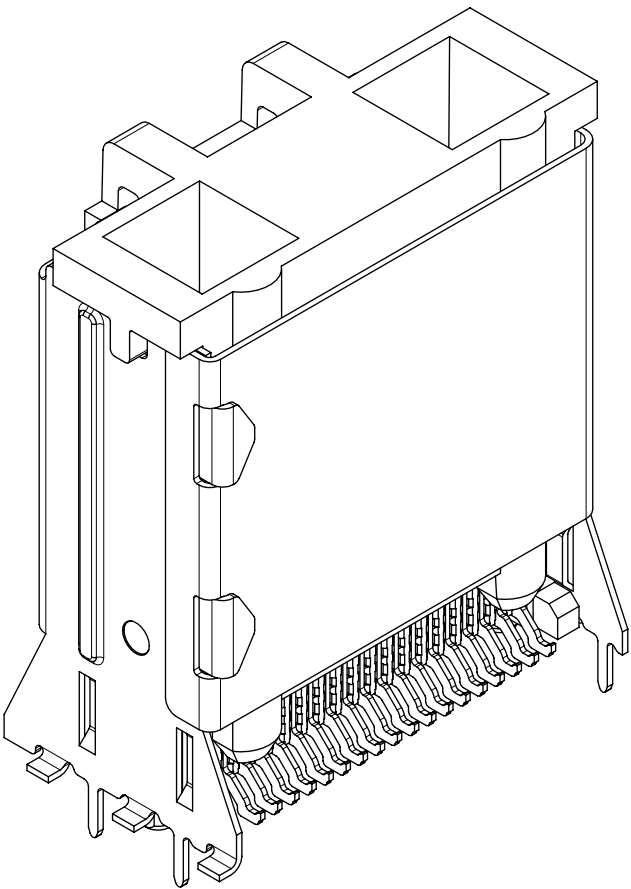
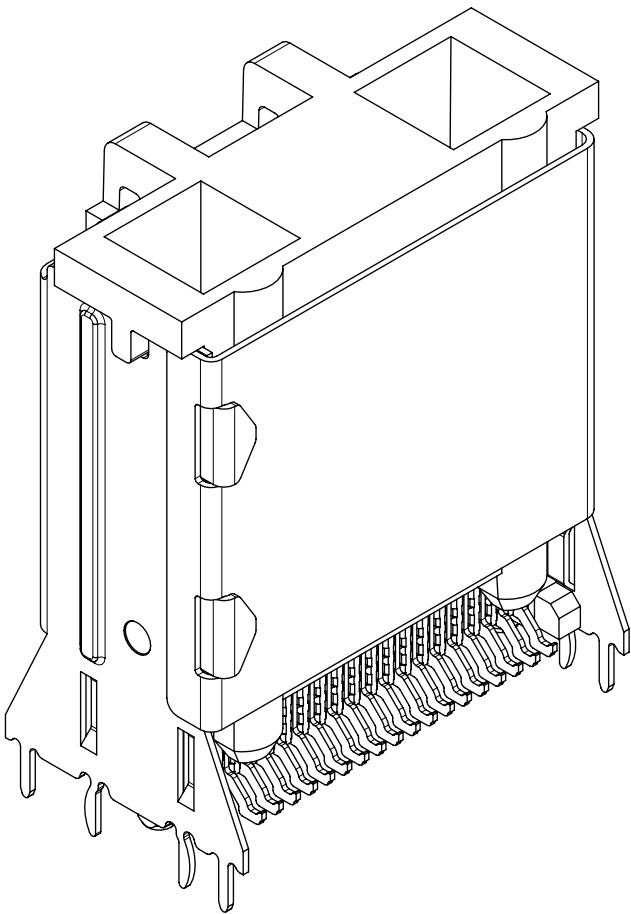
1. PICK AND PLACE LOCATION DEFINED ON APPLICATION SPECIFICATION AS-75783-001
2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

iPass™ IS A TRADEMARK OF MOLEX

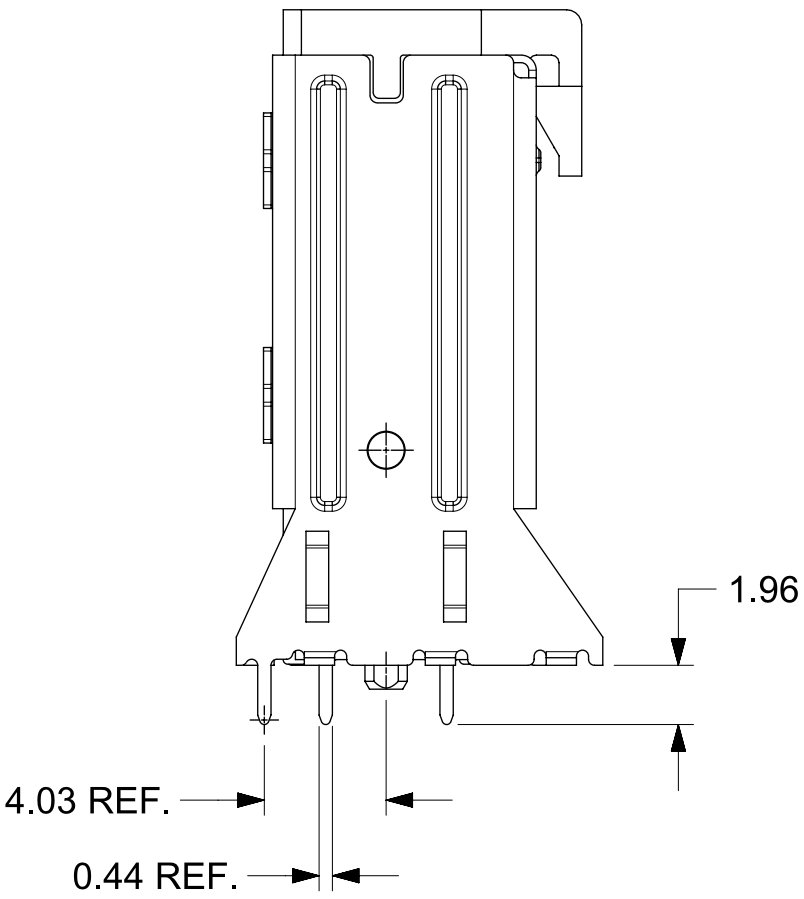
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148			molex I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O PRODUCT SALES DRAWING				
mm		5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± 0.5°											
4 PLACES ±											
3 PLACES ±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
2 PLACES ± 0.130					SD-75784-001		PSD	001	D9		
1 PLACE ± 0.25											
0 PLACES ±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		C-SIZE		75784		SEE TABLE		GENERAL MARKET		2 OF 12	

CIRCUIT SIZE	DIM 'D'
36	19.50
50	25.10
68	32.30

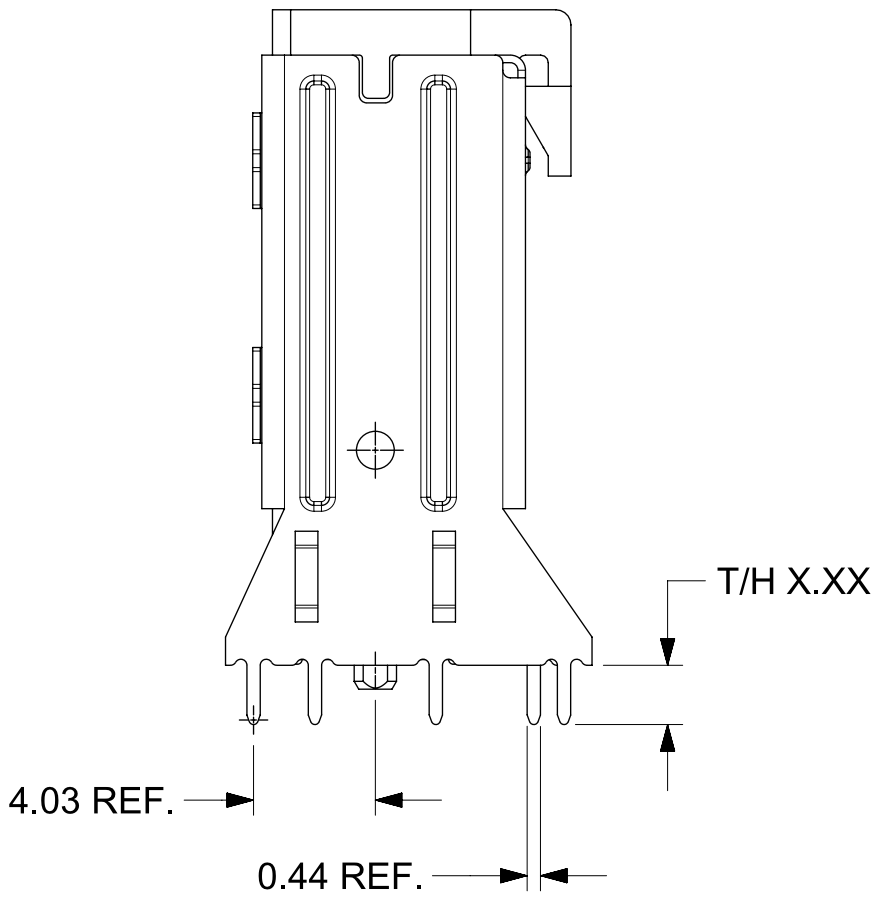
SHELL PCB INTERFACE



RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION



THRU-HOLE SHELL OPTION
SEE TABLE FOR LENGTH
(X.XX DENOTES LENGTH)

RECOMMENDED PCB THICKNESS FOR SPECIFIED TAIL LENGTH	
TAIL LENGTH	PCB THICKNESS
1.96	1.57 (.062)
2.79	2.36 (.093)
3.18	2.79 (.110)
3.56	3.18 (.125)

NOTE:
RETENTION FIT DENOTES TAILS THAT OFFER RETENTION
TO PCB DURING REFLOW PROCESS
SMT DENOTES SURFACE MOUNT TERMINATION
T/H X.XX DENOTES THRU-HOLE TAIL OF LENGTH X.XX

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex			
mm		4:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)								I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
ANGULAR TOL ± 0.5°								PRODUCT SALES DRAWING			
4 PLACES		±									
3 PLACES		±		SD-75784-001		PSD		001	D9		
2 PLACES		± 0.130									
1 PLACE		± 0.25									
0 PLACES		±									
STATUS: Production DRWN: Vishal Ramesh Hosur											

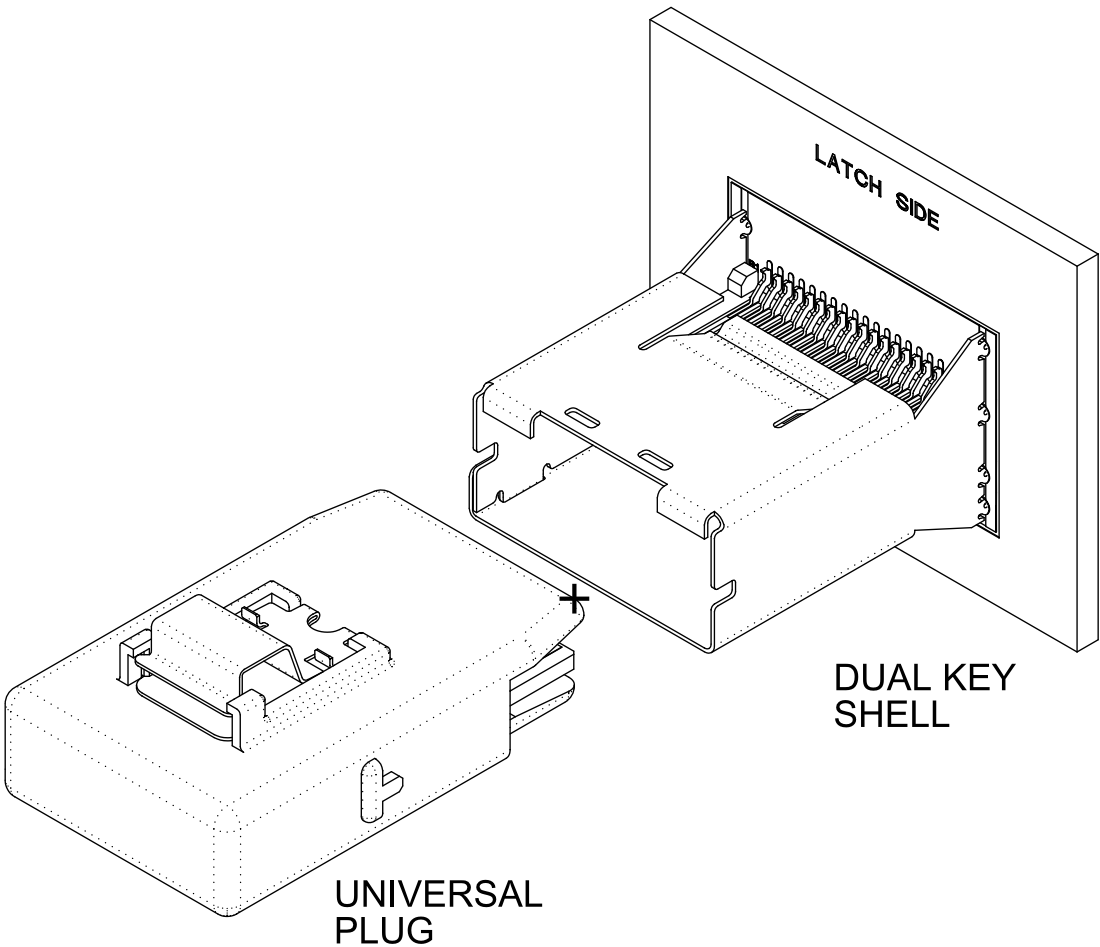
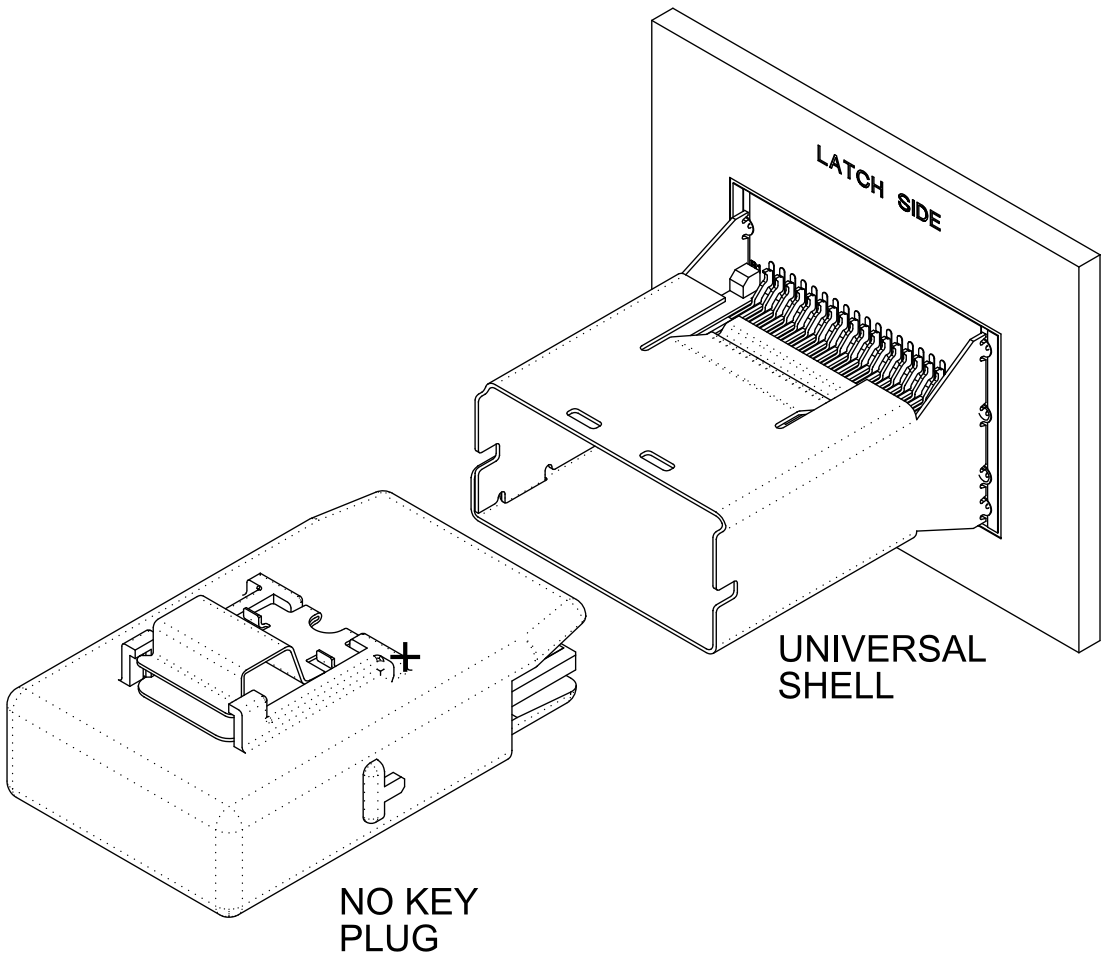
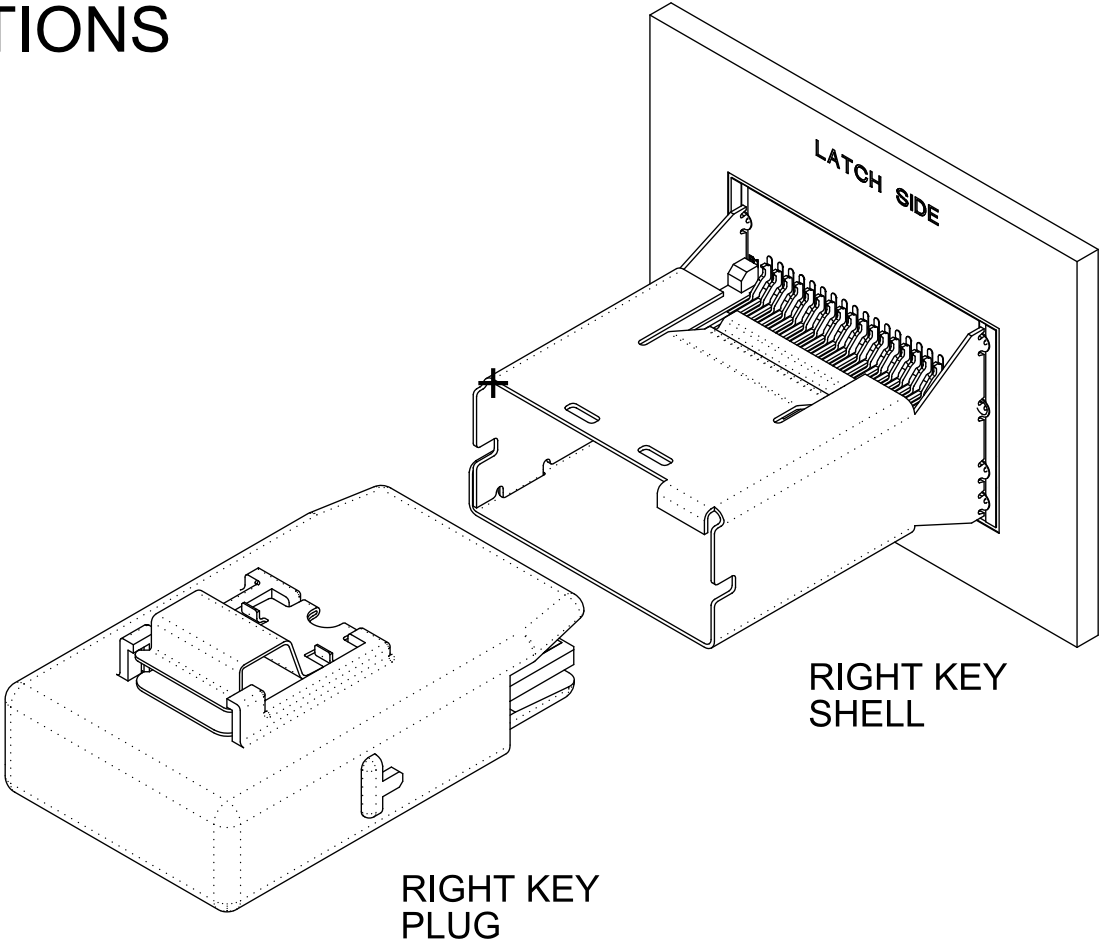
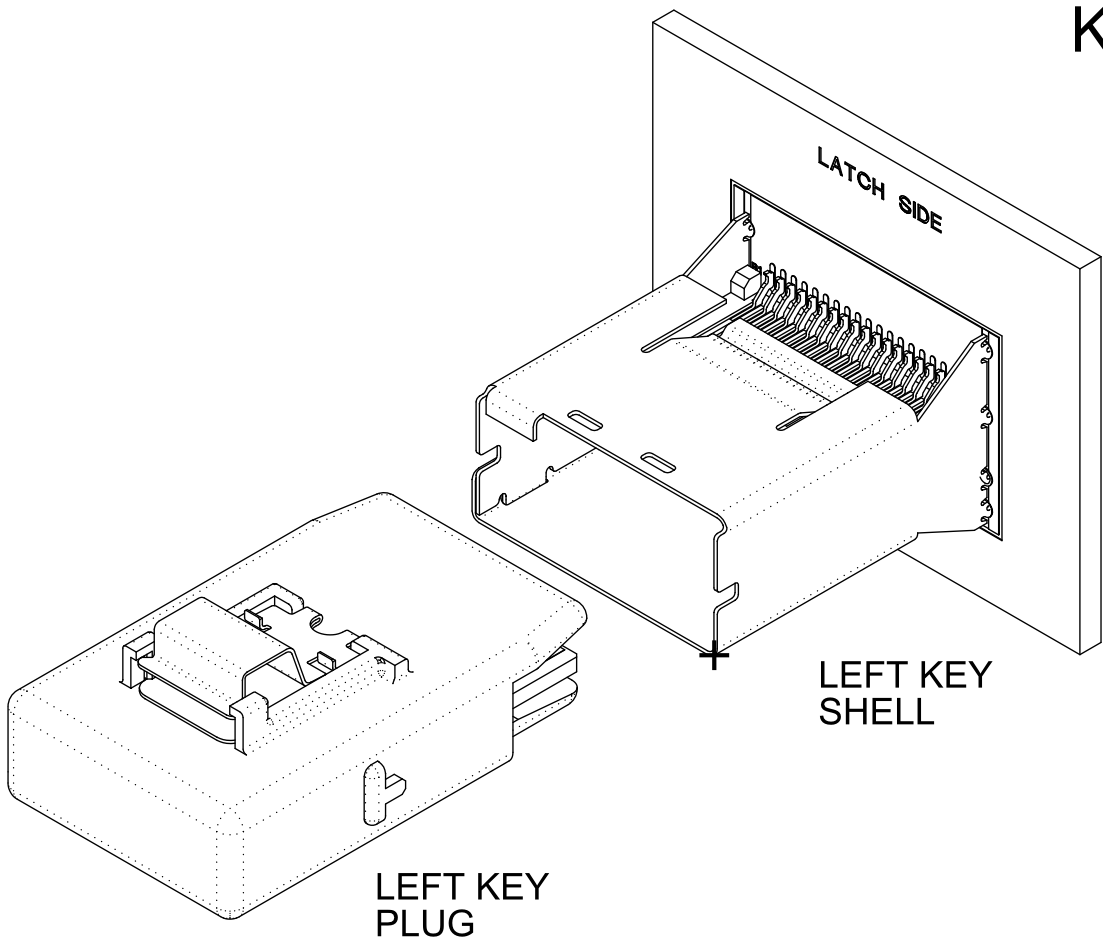
molex

I-PASS VERT CONNECTOR
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75784-001	PSD	001	D9

KEYING OPTIONS



	UNIVERSAL SHELL	LEFT KEY SHELL	RIGHT KEY SHELL	DUAL KEY SHELL
NO KEY PLUG	YES	NO	NO	NO
LEFT KEY PLUG	YES	YES	NO	NO
RIGHT KEY PLUG	YES	NO	YES	NO
UNIVERSAL PLUG	YES	YES	YES	YES

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS mm		SCALE 2:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex							
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL ± 0.5°															
4 PLACES ±								STATUS: Production DRWN: Vishal Ramesh Hosur CHK'D: Ganesh Rao B APPR: Gurunandan GA		2024-05-08 2024-05-20 2024-05-20		DOCUMENT NUMBER SD-75784-001		DOC TYPE PSD	
3 PLACES ±															
2 PLACES ± 0.130															
1 PLACE ± 0.25															
0 PLACES ±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 75784		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 4 OF 12			

50 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75784-0244	OPTION 2	T/H 2.79	UNIVERSAL

iPass™ IS A TRADEMARK OF MOLEX

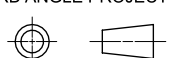
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148					molex			
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL ± 0.5°												
4 PLACES		±							I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
3 PLACES		±										
2 PLACES		± 0.130										
1 PLACE		± 0.25		STATUS: Production DRWN: Vishal Ramesh Hosur								

68 CIRCUIT ITEM NUMBERS

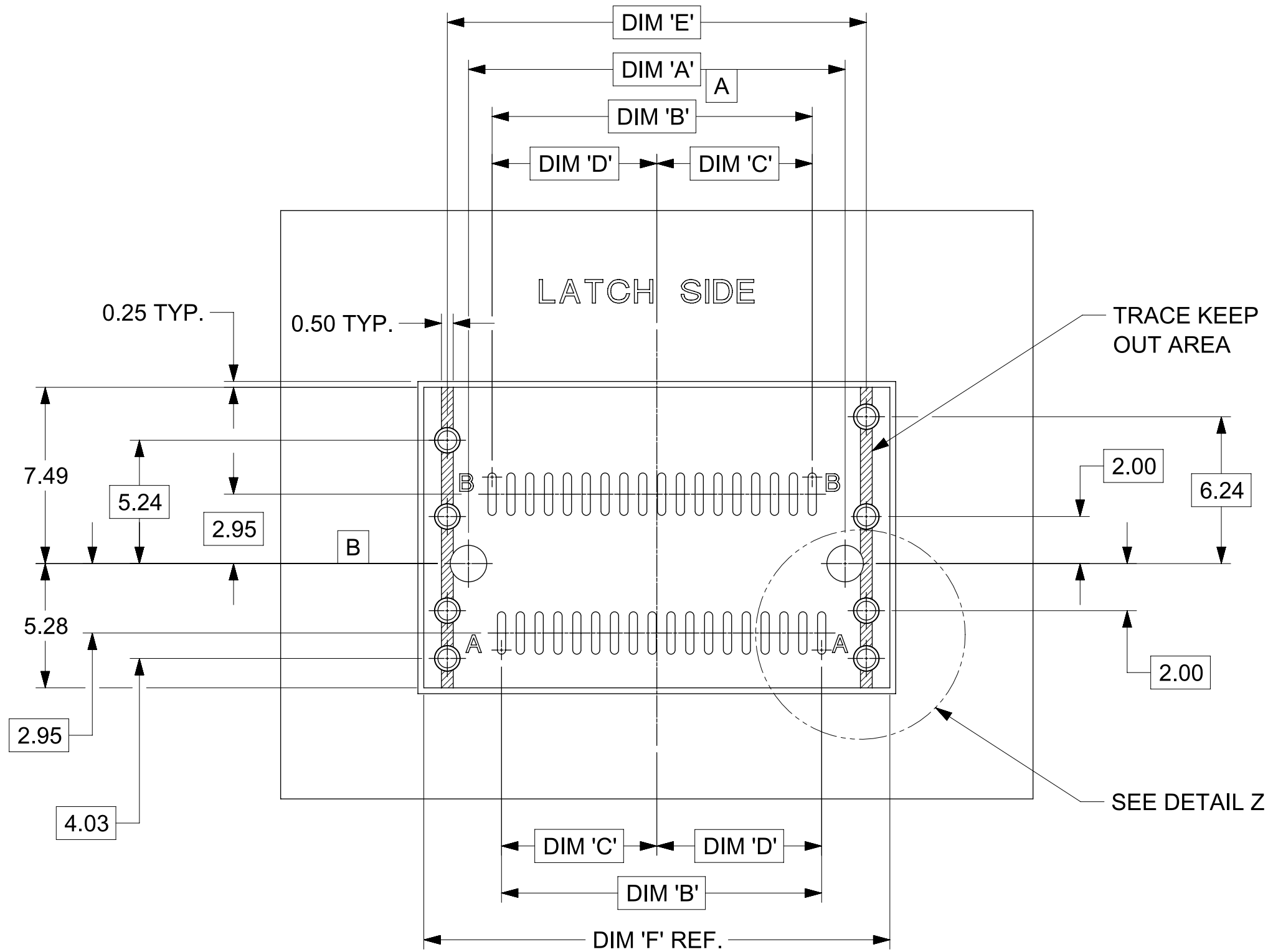
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75784-0332	OPTION 1	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75784-0338	OPTION 1	T/H 2.79	RIGHT
68	75784-0340	OPTION 1	T/H 2.79	UNIVERSAL
68	75784-0348	OPTION 1	T/H 3.18	UNIVERSAL

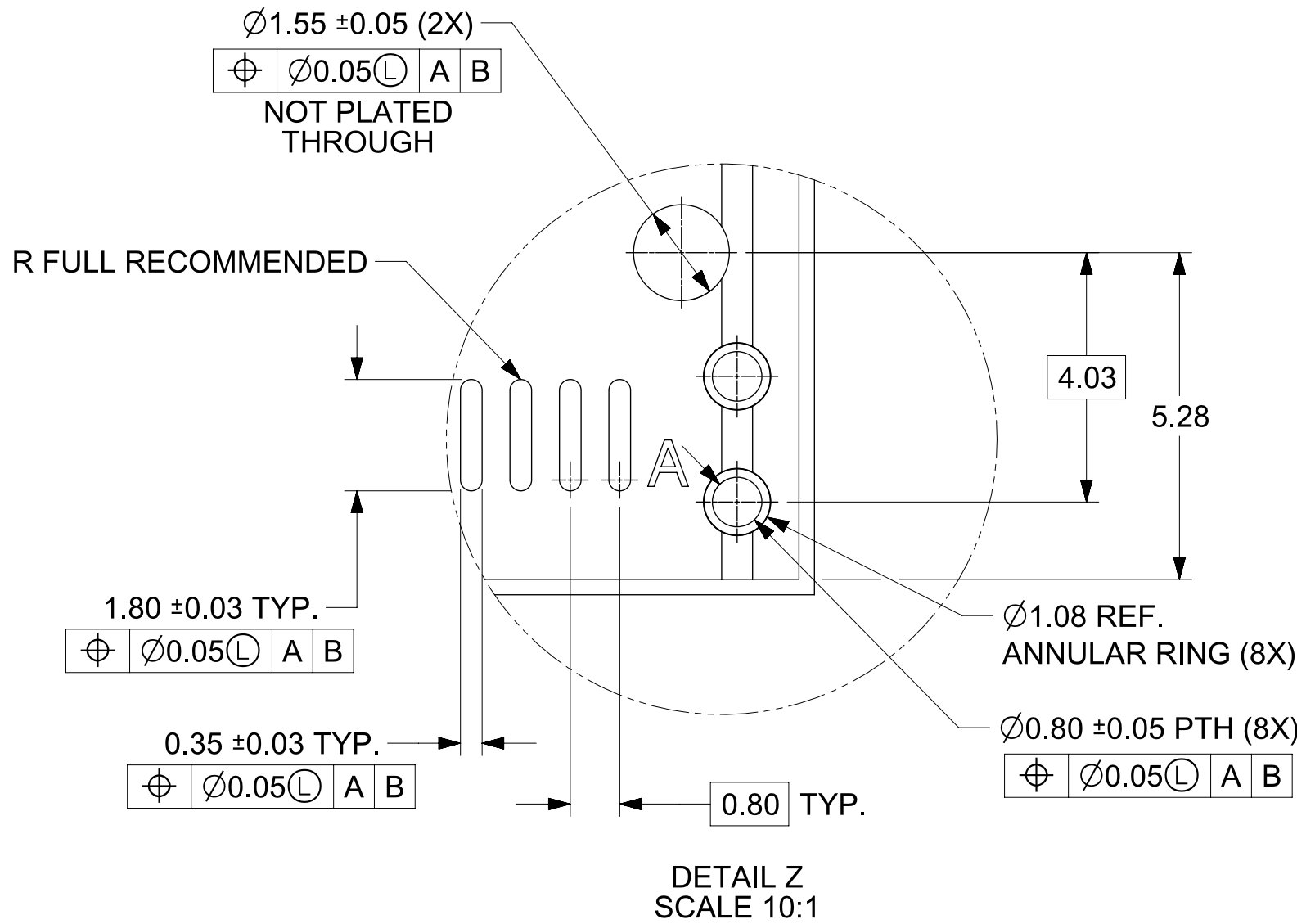
iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex										
mm		1:1																
GENERAL TOLERANCES (UNLESS SPECIFIED)																		
ANGULAR TOL ± 0.5°																		
4 PLACES		±																
3 PLACES		±		I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O														
2 PLACES		± 0.130																
1 PLACE		± 0.25																
0 PLACES		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20				PRODUCT SALES DRAWING										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
										C-SIZE		75784		SD-75784-001		PSD	001	D9
										MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
										SEE TABLE		GENERAL MARKET		7 OF 12				

VERTICAL CONNECTOR
WITH RETENTION FIT & THRU-HOLE SHELL
PCB FOOT PRINT



36 CIRCUIT SHOWN

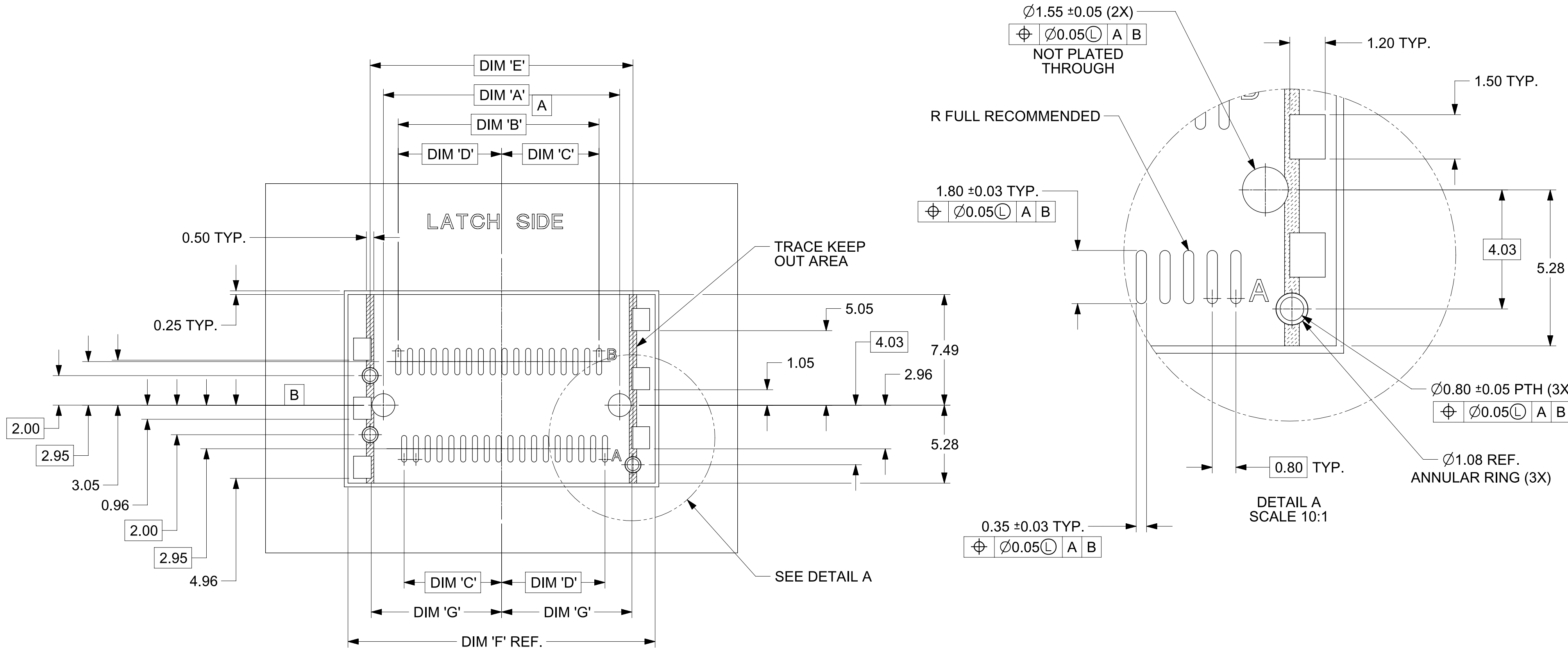


	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
36	16.00	13.60	6.60	7.00	17.80	19.80
50	21.60	19.20	9.40	9.80	23.40	25.40
68	28.80	26.40	13.00	13.40	30.60	32.60

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148							
mm	5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 0.5°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.130								
1 PLACE	± 0.25								
0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER			
		C-SIZE	75784	SEE TABLE	GENERAL MARKET	8 OF 12			

VERTICAL CONNECTOR
WITH SMT SHELL
PCB FOOT PRINT



	PEG TO PEG	FIRST TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH	CENTERLINE TO PAD EDGE
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
36	16.00	13.60	6.60	7.00	17.80	20.80	8.825
50	21.60	19.20	9.40	9.80	23.40	26.40	11.625
68	28.80	26.40	13.00	13.40	30.60	33.60	15.225

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148		
mm	5:1			
GENERAL TOLERANCES (UNLESS SPECIFIED)				
ANGULAR TOL	± 0.5°			
4 PLACES	±			
3 PLACES	±			
2 PLACES	± 0.130			
1 PLACE	± 0.25			
0 PLACES	±			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	75784

iPass™ IS A TRADEMARK OF MOLEX

I-PASS VERT CONNECTOR
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75784-001	PSD	001	D9

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	9 OF 12

STATUS: Production

DRWN: Vishal Ramesh Hosur

CHK'D: Ganesh Rao B

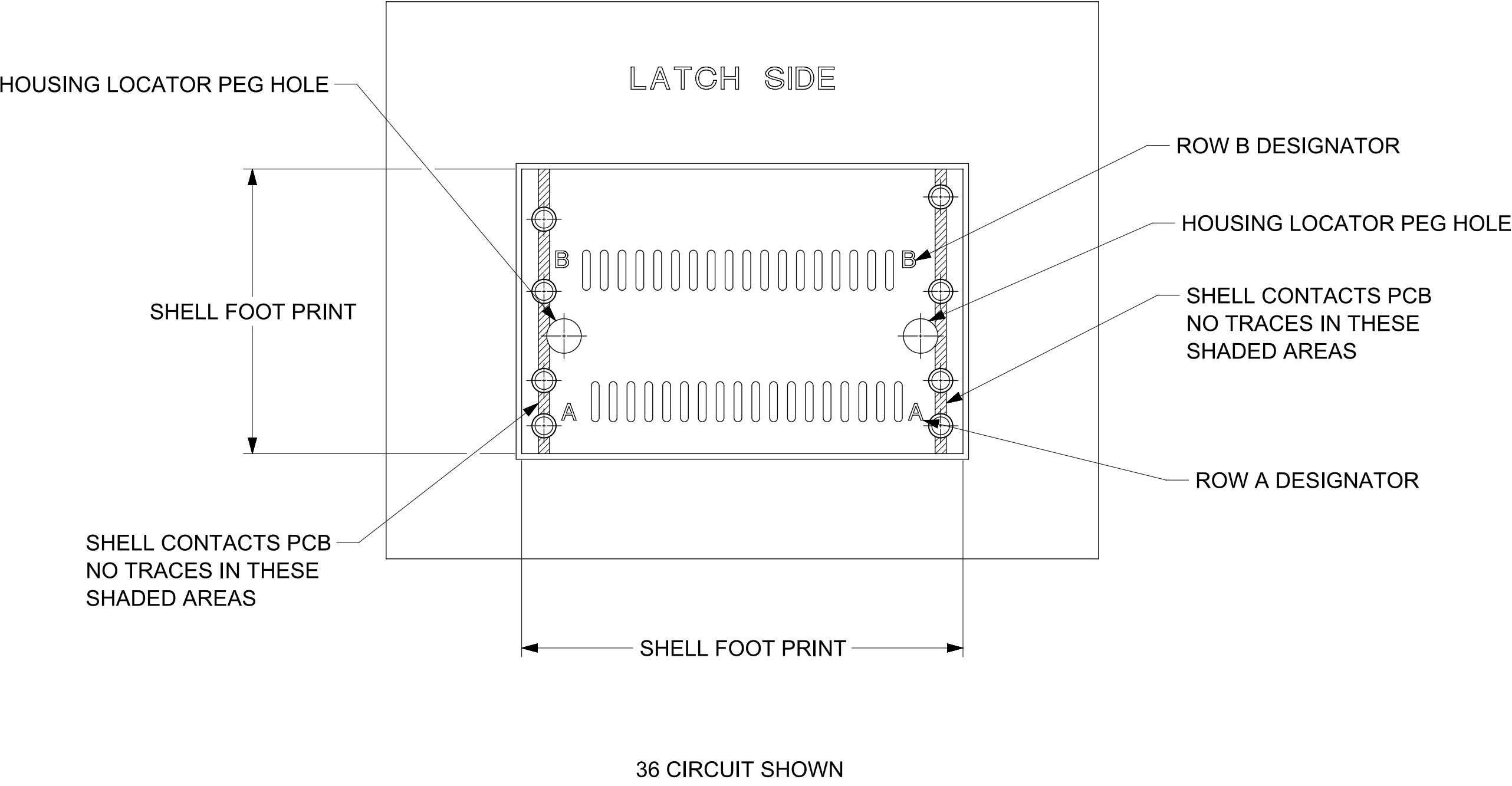
APPR: Gurunandan GA

2024-05-08

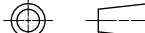
2024-05-20

2024-05-20

VERTICAL CONNECTOR WITH SHELL
PCB FOOT PRINT DESCRIPTIONS



iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148				molex		
mm		5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± 0.5°							
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.130							
1 PLACE		± 0.25							
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
			C-SIZE	75784	SEE TABLE	GENERAL MARKET		10 OF 12	

FORMAT: TC-4b-prod-G